

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	syringe and needleless and (propagat\$4 same shock same wave) and @pd>="20061019"	US-PGPUB; USPAT	OR	ON	2007/06/12 13:36
L2	331	(604/68).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 13:31
L3	72	(604/69).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 13:31
L4	195	(604/70).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 13:31
L5	91	(604/71).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 13:31
L6	86	(604/72).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/12 13:31
L7	3	(L2 or L3 or L4 or L5 or L6) and ((reservoir or cavity) same (conical or cone)) and @pd>="20061019"	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/12 13:31
L8	0	syringe and needleless and (propagat\$4 same shock same wave) and @pd>="20061019"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/12 13:36
S1	280	(604/68).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/02 15:29
S2	60	(604/69).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/11 15:37
S3	171	(604/70).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/11 15:41
S4	86	(604/71).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/11 15:54
S5	76	(604/72).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/11 15:57

## EAST Search History

S6	38	(US-20020004641-\$ or US-20020188248-\$).did. or (US-2670121-\$ or US-2671347-\$ or US-2675802-\$ or US-2699166-\$ or US-2704542-\$ or US-2704543-\$ or US-2714887-\$ or US-2754818-\$ or US-2762369-\$ or US-2762370-\$ or US-2816543-\$ or US-2816544-\$ or US-2902994-\$ or US-5630796-\$ or US-5730723-\$ or US-5899880-\$ or US-6004286-\$ or US-6063053-\$ or US-6156008-\$ or US-6168587-\$ or US-6475181-\$ or US-6585685-\$).did. or (US-2653603-\$ or US-2670121-\$ or US-2675802-\$ or US-2699166-\$ or US-2704542-\$ or US-2714887-\$ or US-2737946-\$ or US-2754818-\$ or US-2762369-\$ or US-2762370-\$ or US-2764977-\$ or US-2816543-\$ or US-2816544-\$ or US-2902994-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 11:02
S7	12	S6 and charge	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/12 12:21
S8	2	S6 and pyrotec\$5	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/12 11:46
S9	1	("4945050").PN.	US-PGPUB; USPAT	OR	OFF	2005/07/12 12:30
S10	1	("3802430").PN.	US-PGPUB; USPAT	OR	OFF	2005/07/12 12:30
S11	162	(604/140).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/12 14:16
S12	234	(604/141).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/13 14:01
S13	49	(604/142).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/13 14:01
S14	134	(604/143).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/13 14:02
S15	74	(604/145).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/13 14:02
S16	113	(604/146).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/13 14:02

## EAST Search History

S17	72	(604/147).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/13 14:02
S18	91	(604/148).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/13 14:02
S19	294	(604/68).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/12 14:17
S20	63	(604/69).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/12 14:17
S21	179	(604/70).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/12 14:17
S22	86	(604/71).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/12 14:17
S23	81	(604/72).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/12 14:17
S24	38	(US-20020004641-\$ or US-20020188248-\$).did. or (US-2670121-\$ or US-2671347-\$ or US-2675802-\$ or US-2699166-\$ or US-2704542-\$ or US-2704543-\$ or US-2714887-\$ or US-2754818-\$ or US-2762369-\$ or US-2762370-\$ or US-2816543-\$ or US-2816544-\$ or US-2902994-\$ or US-5630796-\$ or US-5730723-\$ or US-5899880-\$ or US-6004286-\$ or US-6063053-\$ or US-6156008-\$ or US-6168587-\$ or US-6475181-\$ or US-6585685-\$).did. or (US-2653603-\$ or US-2670121-\$ or US-2675802-\$ or US-2699166-\$ or US-2704542-\$ or US-2714887-\$ or US-2737946-\$ or US-2754818-\$ or US-2762369-\$ or US-2762370-\$ or US-2764977-\$ or US-2816543-\$ or US-2816544-\$ or US-2902994-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 14:17
S25	163	(604/140).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/12 14:17
S26	237	(604/141).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/12 14:17
S27	50	(604/142).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/12 14:17

## EAST Search History

S28	134	(604/143).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/12 14:17
S29	74	(604/145).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/12 14:17
S30	114	(604/146).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/12 14:17
S31	72	(604/147).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/12 14:17
S32	91	(604/148).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/12 14:17
S33	41	(S19 or S20 or S21 or S22 or S23 or S24 or S25 or S26 or S27 or S28 or S29 or S30 or S31 or S32) and (pyrotechnic with charge)	US-PGPUB; USPAT	OR	ON	2005/12/12 14:18
S34	9	S33 and (shock with wave)	US-PGPUB; USPAT	OR	ON	2005/12/12 14:18
S35	2	("2737946").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/02 15:29
S36	64	(604/69).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/02 15:40
S37	3	S36 and (propagat\$4 same shock same wave)	US-PGPUB; USPAT	OR	ON	2006/03/02 15:43
S38	7	syringe and needleless and (propagat\$4 same shock same wave)	US-PGPUB; USPAT	OR	ON	2007/06/12 13:25
S39	17	("0691709"   "3308818"   "3595231"   "3788315"   "4596556"   "4945050"   "5026343"   "5049125"   "5062830"   "5149655"   "5204253"   "5282785"   "5330446"   "5371015"   "5630796").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 16:32
S40	298	(604/68).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 11:03
S41	64	(604/69).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 11:03
S42	183	(604/70).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 11:03

## EAST Search History

S43	87	(604/71).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 11:03
S44	81	(604/72).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 11:03
S45	46	(S40 or S41 or S42 or S43 or S44) and ((reservoir or cavity) same (conical or cone))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/12 13:30